Earth Science

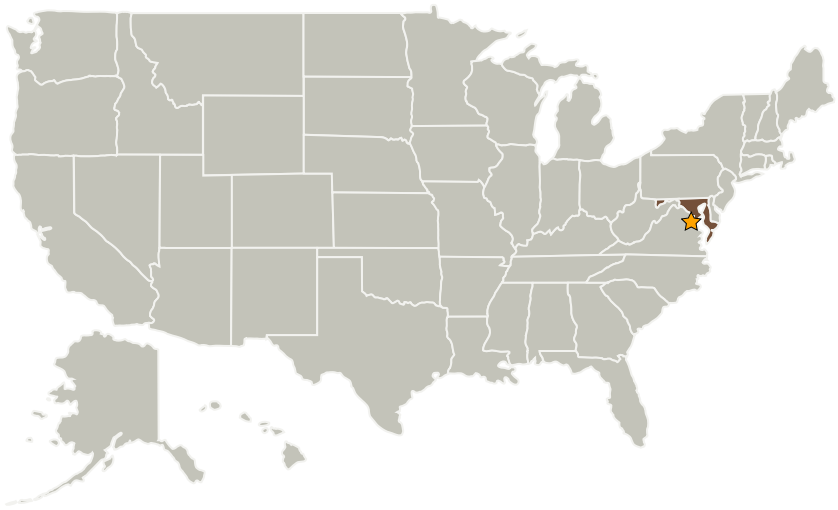
LVIS Integration onto Global Hawk

Completed Technology Project (2011 - 2013)

Project Introduction

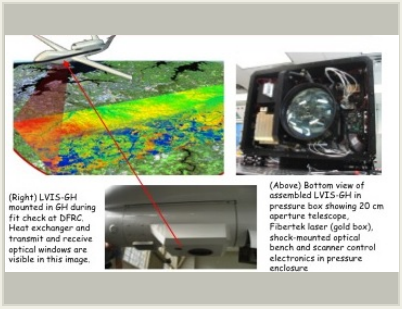
Integrate LVIS lidar capability onto the Global Hawk (GH) to enable high altitude mapping of land, vegetation, and ice
Provide operational capability and data storage for 30+ hours of GH operations
Demonstrate operations on Global Hawk platform with test flights

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia

Primary U.S. Work Locations
Maryland



Project Image LVIS Integration onto Global Hawk

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Organizational Responsibility

Responsible Mission Directorate:

Science Mission Directorate (SMD)

Lead Center / Facility:

NASA Headquarters (HQ)

Responsible Program:

Earth Science

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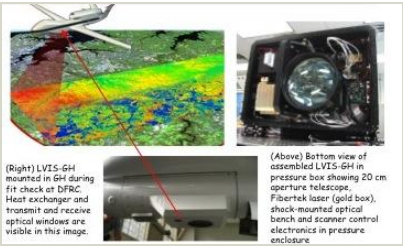
Images



11900-1362064816051.jpg
Project Image LVIS Integration onto Global Hawk
(https://techport.nasa.gov/image/1661)

Project Management

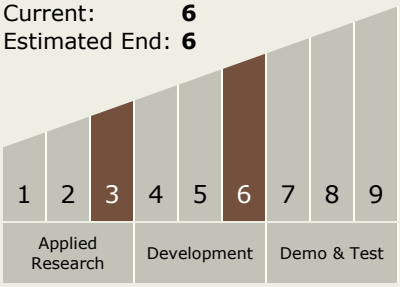
Program Director:
George J Komar

Project Manager:
Joseph Famiglietti

Principal Investigator:
Brian E Blair

Technology Maturity (TRL)

Start: **3**
Current: **6**
Estimated End: **6**



Technology Areas

Primary:

- TX08 Sensors and Instruments
  - TX08.1 Remote Sensing Instruments/Sensors
    - TX08.1.4 Microwave, Millimeter-, and Submillimeter-Waves

Target Destination

Earth